![Encore Electronics logo](ENCORE ELECTRONICS®)

WIRELESS N300 ROUTER Series:
ENHWI-2AN4x

Product Description

The ENHWI-2AN42/ENHWI-2AN45 Wireless N300 Router complies with IEEE 802.11n, and provides faster and farther range than 802.11g while being backward compatible with 802.11g and 802.11b mode. This router uses advanced broadband router chipset and wireless LAN chipset solution to let you enjoy high-speed Wired and Wireless connection. Simply connect this device to a Cable or DSL modem and then you can share your high-speed Internet access with multiple PCs at your home with or without wires. It creates a secure Wired and Wireless network for you to share photos, files, video, music, printer and network storage. ENHWI-2AN42/ENHWI-2AN45 provides maximum transfer rate up to 300Mbps and supports WEP, WPA, WPA2, 802.1x high-level WLAN security features that guarantee the best security for users.

> Note:
> The lowercase "x" in the model number represents the antenna type. At the time when this specification was written, Encore offers 2 different types of antenna for Wireless N300 Router Series: 2dBi and 5dBi. The antenna shown on the picture is 2dBi. 5dBi antenna is longer.

Features:

- Up to 300 Mbps data transfer rates
- Backward compatible with IEEE 802.11b/g
- Built-in 4 ports 10/100 Ethernet switch with auto speed sensing
- Support Access Point
- Support NAT, DHCP Server/Client
- Support VPN pass through - IPSec, PPTP, L2TP
- Support Virtual Server / Port Trigger
- Support Virtual DMZ Host, DDNS, UPnP
- Support 64/128-bit WEP, WPA, WPA2, 802.1x Authentication Encryption
- Support WPS software PBC/PIN
- Support MAC Filter, IP Filter, URL/Domain Blocking, Protocol Filter
- Support Auto-crossover (MDI/MDI-X) function
- Support software upgrade through Web
- Friendly web-based GUI Configuration and Management

Specifications:

Data Transfer Rates	300Mbps (802.11n mode) 54Mbps (802.11g mode) 11Mbps (802.11b mode)
Standard	IEEE 802.11b / 802.11g / 802.11n (Wireless) IEEE 802.3, IEEE 802.3u, IEEE 802.3x Full Duplex Flow Control (Wired)
Operating Radius	100M Indoor, 300M Outdoor
Internet Access	Connect to Broadband (Cable or xDSL) modem or Ethernet backbone for Internet Surfing
WAN Connection	Dynamic IP, Static IP, PPPoE, PPTP, L2TP
IP Management	NAT (Network Address Translation) DHCP (Dynamic Host Configuration Protocol) Server/Client Support VPN pass through – IPSec, PPTP, L2TP Support Virtual server / Port Trigger Support Virtual DMZ host Support Dynamic DNS Support UPnP (Internet Gate Device)
Security	Support 64/128-bit WEP Data Encryption Support WPA, WPA2 (802.11i) security Support WPS software PBC/PIN Support MAC ACL (MAC Access Control List) Support PAP / CHAP / MS-CHAP / MS-CHAPv2 authentication Support 802.1x RADIUS Server
Firewall	Support MAC filter Support IP filter Support URL/Domain Blocking Support Protocol Filter
Management	Web-based GUI Configuration / Management Web Remote Login from WAN Software Upgrade through Web Support NTP update. Support System Log Support Configuration setting Backup/Restore/Reset Default
Interface	LAN x 4, WAN x 1

LED Indicators	POWER, SYSTEM, WAN x 1, WLAN x 1, LAN x 4, WPS
Antenna	Two 2dBi or 5dBi Dipole Antennas
Wireless Frequency	2.4000~2.4835GHz
Output Power	15 dBm
Receiver Sensitivity	IEEE 802.11b : -88 dBm (Typical), IEEE 802.11g : -70dBm (Typical) IEEE 802.11n: 20Mhz -68dBm ; 40Mhz -65dBm (Typical)
Transmit Output Power	11b : 18±1 dBm, 11g : 15±1 dBm , 11n : 13±1 dBm
Power	DC 12V 1A
Dimensions	18 x 11.5 x 3.4 cm (W x L x H)
Net Weight (app)	152 g
Operating Temperature	0℃ ~ 40℃
Humidity	5 % ~ 95 % (non-condensing)
Storage Temperature	0℃ ~ 70℃
Supported OS	Windows 98SE, ME, 2000, XP, Vista, Win7, Mac and Linux
Regulations	FCC, CE

ENHWI-2AN42/ENHWI-2AN45 Specification Sheet

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